

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v12)**

1. Factor the expression.

$$25x^2 - 49$$

2. Expand the following expression into standard form.

$$(4x + 5)(4x - 5)$$

3. Solve the equation.

$$(3x + 4)(7x - 6) = 0$$

4. Solve the equation.

$$12x^2 + 23x - 38 = 5x^2 + 4x - 2$$

5. Solve the equation with factoring by grouping.

$$24x^2 + 20x + 18x + 15 = 0$$

6. Factor the expression.

$$x^2 + 5x - 36$$

7. Expand the following expression into standard form.

$$(3x - 8)(6x - 5)$$

8. Expand the following expression into standard form.

$$(8x + 5)^2$$